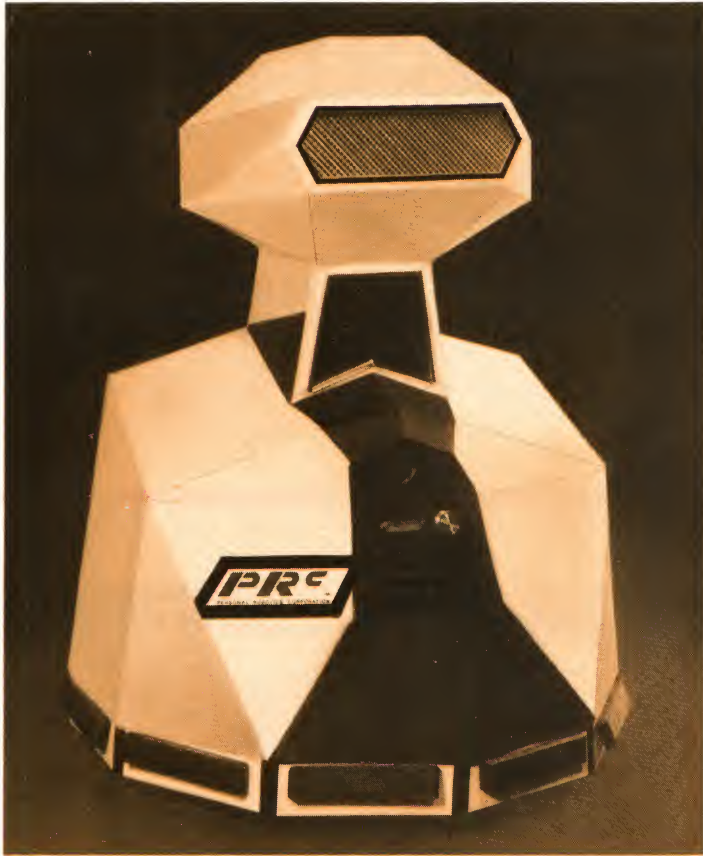


RoPet-HRTM and RoPet-XRTM

Self-Contained Personal Robots



RoPet -HR

Including these On-Board Features:

- Entirely Self-Contained with On-Board Z-80 Computer
- Widely-Used Electronic Components
- Speech Recognition
- Speech Generation
- Complex Sound Generation
- Color Organ
- Sonar Range-Finding
- Speed Measurement and Control
- Body-Heat/Motion Detection
- Long Lasting, Rechargeable Batteries
- Programmable, Expandable, Durable

Description:

RoPetTM is an entirely self-contained personal robot which uses an on-board Z-80 computer for its operation. RoPet is available in 2 Models: (1) RoPet-HR, for consumers, is the complete, fully assembled personal robot shown above and (2) RoPet-XR, for Hobbyists and Technical Professionals, provides the assembled base unit which has fully-exposed, easy-to-reach components. Both models are cartridge-programmable and 3 Sample Cartridges are provided. All Software necessary to operate RoPet's On-Board features is provided in permanent memory (ROM).

Both Models can use the Optional Programmer's Package which allow BASIC programs to be downloaded to RoPet from any terminal or a host computer having an RS-232 Standard Serial Output Port. Other Options include 56K Memory Expansion, one-half Mega-Byte Disc Drive, and Computerized TeleCommunications. RoPet-HR is expandable to soon include the Vacuum Cleaner, Arm, and "Butler" Serving Tray Options.

SPECIFICATIONS:

- **COMPUTER** Low Power Z-80 CPU (1 MHz). 8K of 6116 Static RAM is expandable to 56K. 8K ROM provides software for speech recognition, speech and complex sound generation, and motor control. 3 Sample EPROMs provided for demo, home sentry, and RAM initialization. ZIF socket provided for 2716 EPROM driver program. Four blank S-100 slots are available for expansion.
- **BATTERIES** Two 12-Volt Gel-Cell Rechargeable, 4.5AH each. Low-Power detection. Running time typically 8 hours, recharges overnight on Battery Charger (included). Battery lifetime typically several years.
- **POWERTRAIN** Two Independently Driven 4.5" Wheels. Two 20RPM, 14 in.-lb. gearmotors. Two 1" Casters.
- **INPUTS** 10 tactile position sensors; Polaroid™ Ultra-Sonic Rangefinding; user-definable, on-board speech recognition accurate up to 99+% for any number of 4-word template sets, language independent, speaker dependent; Passive Infra-Red Detector with 35' x 45' adjustable sensitivity; and 2 emitter/detector Infra-Red LED pairs for speed and distance feedback and control of each motor.
- **OUTPUTS** Infinite-vocabulary Speech Generation (Votrax SC-01), Complex Sound Generation (TI), and Color Organ (which flashes in synch with Speech).
- **PHYSICAL** RoPet-HR: 28" high comes with ivory cover (shown previous page). 30 lbs. (40 lbs. shipping wt.) RoPet-XR: (not shown) is 14" high, has fully exposed electronics (some assembly required). 25 lbs. (35 lbs. shipping wt.) Both Models are 23" wide, include card cage, and have Decahedron base which turns within its own radius. All Materials are ABS plastic.

FEATURES AND OPTIONS:

	AVAILABLE	RECOMMENDED RETAIL PRICE (\$)
RoPet-HR™	7/84	\$2499.95
RoPet-XR™	6/84	2199.95
Programmers Option	3Qtr-1984	
64K Memory Expansion	3Qtr-1984	
"Butler" Serving System	3Qtr-1984	
.5 MB Disk Drives	4Qtr-1984	
Vacuum Cleaner	4Qtr-1984	
"Nest" Battery Charger	1985	
Mechanical Arm	1985	
Telephone Communications	1985	



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